

AMENDMENTS TO THE CLAIMS:

Please amend claims 1-10 as follows:

1. (Currently Amended) A portable multi-band communication device (1), comprising:
a power amplifier (216), a battery (270) for supplying power to the power amplifier, and
a controller (240), ~~the controller being~~ arranged to control an output power level of the communication device by generating a digital control signal (~~DAC value~~) for the power amplifier, ~~characterized by~~
the controller (240) being arranged to monitor the digital control signal, (~~DAC value~~) and in response, to determine a specific amount consumption
(ChargeConsumption, CurrentCount) of electric energy consumed from the battery (270).

2. (Currently Amended) A portable multi-band communication device as in claim 1, further comprising:
a D/A (digital-to-analog) (D/A) converter (218) operatively connected to the power amplifier (216), ~~the D/A converter being~~ and arranged to receive, at as an input thereof, the digital control signal (~~DAC value~~), convert the digital control signal into an analog control signal, (~~Pwr Ctrl~~) and ~~submit, at an output of the D/A converter,~~ provide the analog control signal to the power amplifier.

3. (Currently Amended) A portable multi-band communication device as in claim 1, further comprising:
a memory (244) operatively connected to the controller (240), ~~wherein the~~ memory is adapted to store a set of predetermined consumption values (~~TxCURRENT~~) associated with different values (~~00...n~~) of the digital control signal (~~DAC value~~).

4. (Currently Amended) A portable multi-band communication device as in claim 3, further comprising:

a radio transmitter (214), ~~the operation of which is controlled through a control signal strobe (TX-stb) submitted by the controller (240), wherein the controller is arranged to:~~

detect the control signal strobe (~~TX-stb~~) to the radio transmitter,
determine a value (~~00...n~~) of the digital control signal (~~DAC value~~),
form an index (~~idx~~) from the determined value of the digital control signal,
use the index for reading one consumption value (~~TxCURRENT[idx]~~) in the
pretermind set (~~TxCURRENT~~) from the memory (244), and

update an accumulated consumption value (~~CURRENTCOUNT~~) to reflect the
consumption value thus read.

5. (Currently Amended) A portable multi-band communication device as in claim 3, further comprising:

a radio transmitter (214), ~~the operation of which is controlled through a control signal strobe (TX-stb) submitted by the controller (240), the memory (244) having a set of counters (TxStrobe) for different values (00...n) of the digital control signal (DAC value), wherein the controller is arranged to:~~

detect the control signal strobe (~~TX-stb~~) to the radio transmitter,
determine a value (~~00...n~~) of the digital control signal (~~DAC value~~),
increment, in said set of counters, the counter that represents the determined
value of the digital control signal, and

subsequently calculate the consumption (~~ChargeConsumption~~) of electric energy
from the battery (270) from the contents of said set of counters (~~TXStrobe~~) and from the
set of predetermined consumption values (~~TxCURRENT~~).

6. (Currently Amended) A portable multi-band communication device as in claim 3, wherein the set of predetermined consumption values (~~TxCURRENT~~) is represented by a polynomial function.

7. (Currently Amended) A portable multi-band communication device as in claim 1, the device further comprising:

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a graphical display (6), wherein the controller (240) is arranged to calculate an estimated remaining battery capacity by subtracting the determined consumption (~~ChargeConsumption, CurrentCount~~) of electric energy from a previous value of remaining battery capacity, and wherein the controller is arranged to visually indicate the calculated estimated remaining battery capacity (13) on the graphical display.

8. (Currently Amended) A portable multi-band communication device as in claim 1, wherein the device is a mobile telephone (1), such as a employing TDMA telephone, or a W-CDMA telephone.

9. (Currently Amended) A method of determining a charge consumption for a portable battery-powered communication device (1), ~~said device comprising~~ including a radio transmitter (214), a power amplifier (216) operatively connected to the radio transmitter, and a controller (240) operatively connected to the power amplifier, wherein an output power level of the radio transmitter is controlled by the power amplifier through a digital control signal (~~DAC value~~) from the controller, and wherein the radio transmitter is furthermore responsive to a control signal strobe (~~TX-str~~), the characterized by the steps of method comprising:

storing a set of predetermined consumption values (~~TxCURRENT~~) providing an association between different amounts of electric charge consumption and respective values of the digital control signal (~~DAC value~~),

detecting the control signal strobe (~~TX-str~~),

determining a value (~~00...n~~) of the digital control signal (~~DAC value~~),
selecting, from said set of predetermined consumption values (~~TxCurrent~~), a
value which corresponds to the determined value (~~00...n~~) of the digital control signal
(~~DAC value~~), and
updating an accumulated charge consumption value (~~CurrentCount~~) to reflect the
selected value.

10. (Currently Amended) A method according to claim 9, applied to a mobile
telephone (1).